

## ABSTRACT

A chamber (12) having an approximately triangular transverse cross section is provided with a gas supply opening (13) at its one side, and is provided with an exhaust opening (14) at a vertex facing the one side. Further, the gas supply opening (13) is  
5 provided with a showerhead-like gas supply section (15). Based on this configuration, the chamber (12) is structured such that a cross-sectional area  $S$  of a gas flow passage formed from the gas supply opening (13) to the exhaust opening (14) gradually decreases toward a direction of gas supply ( $x$  direction). At this time, a thickness  $\delta$  of a boundary layer (28) formed on a wall of the chamber (12) becomes substantially constant.

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